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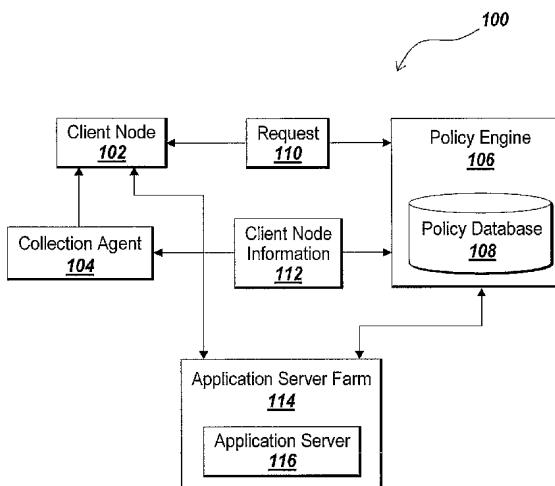
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(54) Title: A METHOD AND APPARATUS FOR ASSIGNING ACCESS CONTROL LEVELS IN PROVIDING ACCESS TO NETWORKED CONTENT FILES



(57) Abstract: A method and apparatus for assigning access control levels when providing access to networked content files includes a client node (102), a collection agent (104), and a policy engine (106). The client node requests access to a resource. The collection agent gathers information about the client node. The policy engine receives the gathered information and assigns one of a plurality of levels of access responsive to application of a policy to the received information. An application server farm (114) may present contents of the resource to the client node using an application program associated with a file type of the requested file. A transformation server (516) may transform the contents of the resource from a native format to a second format and present the transformed contents of the resource to the client node.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2005/028607

A. CLASSIFICATION OF SUBJECT MATTER

G06F1/00 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06F H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/039594 A1 (NARASIMHAN ANAND ET AL) 26 February 2004 (2004-02-26) abstract paragraphs [0013] - [0016] paragraphs [0039], [0042], [0046] paragraphs [0050] - [0052] figures 1,8-10 ----- US 2003/191971 A1 (KLENSIN JOHN C ET AL) 9 October 2003 (2003-10-09) paragraphs [0011], [0012] paragraphs [0015], [0016] paragraphs [0032], [0033] paragraphs [0037], [0038] figures 1-3 ----- -----	1-36, 112-137 1-36, 112-137 -----



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- *&* document member of the same patent family

Date of the actual completion of the international search

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/145222 A1 (GITTNER MIHAELA ET AL) 31 July 2003 (2003-07-31) abstract paragraphs [0039] - [0045] figure 2	1-3, 30-32
A	----- WO 01/37517 A (WAYPORT, INC) 25 May 2001 (2001-05-25) page 9, line 21 - page 11, line 14 page 11, line 32 - page 14, line 21 figures 1,2,4,5	4-29, 33-36, 112-137
X	----- WO 00/51290 A (ALCATEL INTERNETWORKING, INC) 31 August 2000 (2000-08-31) figures 3,15,16,21	37-58, 138-153
A	----- EP 0 863 453 A (XEROX CORPORATION) 9 September 1998 (1998-09-09) abstract page 3, lines 10-33 page 3, line 58 - page 4, line 11 page 5, lines 17-50 page 10, lines 22-39 figures 1,2	1-36, 59-137
A	----- EP 0 927 921 A (CASIO COMPUTER CO., LTD) 7 July 1999 (1999-07-07) paragraphs [0028], [0029] paragraphs [0036] - [0038] figures 10,12	59-111 1-58, 112-153
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2005/028607

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-36 and 112-137

Methods and systems for differentiated control of access to network resources.

2. claims: 37-58 and 138-153

Methods and apparatuses for taking client-dependant network access control decisions.

3. claims: 59-111

Method and system for the retrieval of access controlled files.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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